

# Converting Colors

Hex(00770B)

Have a look what the booklet for  
Hex(00770B) contains.

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**Color**

**Hex(00770B)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	00770B
RGB	0, 119, 11
RGB Percent	0%, 47%, 4%
CMY	1.0000, 0.5333, 0.9569
CMYK	1.00, 0.00, 0.91, 0.53
HSL	126°, 100%, 23%
HSV	126°, 100%, 47%
XYZ	6.6572, 13.2178, 2.5170
YIQ	71.1070, -36.2560, -58.8160

# Conversions

## Conversions Part 2

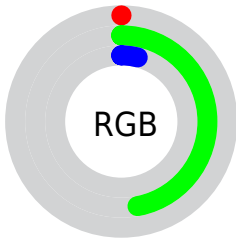
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 109, 119
Decimal	30475
CIELab	43.09, -48.59, 44.91
CIElCh	43, 66.164, 137.258
Yxy	13.2178, 0.2973, 0.5903
Android (android.graphics.Color)	4278220555 (0xFF00770B)
YUV	71.1070, -29.6328, -62.3608
Hunter-Lab	36.3563, -30.9383, 21.3446

# Details

The Hex color **00770B** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **77006C**, and the grayscale version is **474747**.

A 20% lighter version of the original color is **4EAC43**, and **004500** is the 20% darker color. If you saturate the color by 10%, you get **00770B**, and if you desaturate by 10%, it is **0C7716**.

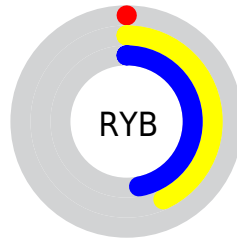
# Distribution



Red (0%)

Green (47%)

Blue (4%)



Red (0%)

Yellow (43%)

Blue (47%)

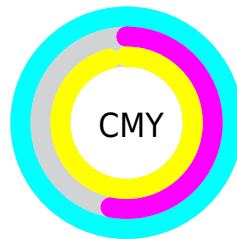


Cyan (100%)

Magenta (0%)

Yellow (91%)

Black (53%)



Cyan (100%)

Magenta (53%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00770B changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color 00770B by changing the saturation by 10% instead.



 00770B

 00770B

FFFFFF

 005D00

 4EAC43

 004500

 6BC85D

 002E00

 87E577

 001300

 A4FF91

 000000

 C0FFAD

 DEFFC9

 FBFFE5

 00770B

 0C7716

 187721

 24772B

 307736

 3B7741

 47774C

 537757

 5F7761

 6B776C

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



5E6D00



00770B



007C4C

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



00770B



0073D2



C42049

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



00770B



77006C

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



BA2380



00770B



0162D0

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



00770B



007BB6



8E45B1



B34012

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



00770B



007D72



8E45B1



C41A5B



# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



00770B



6D9C71



6D7700



334F35



CFCFCF



4F4F4F



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



00770B



009C0E



007745



353B35



007A0B



00FA17



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



77006C



9C008D



770032



3B353A



7A006F

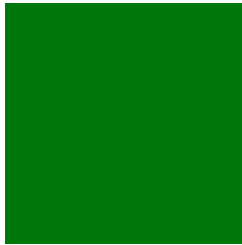


FA00E3



# Previews

## White Background



This preview shows how the Hex color 00770B looks on a white background.

## Color Contrast Check

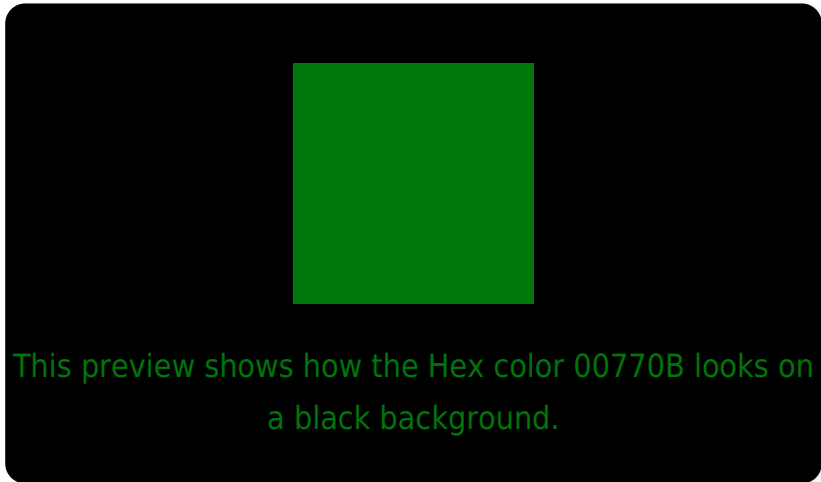
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 00770B Background



This preview shows how black text looks on a background with the Hex color 00770B.



This preview shows how white text looks on a background with the Hex color 00770B.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).


## Dichromacy



**Original Color**  
00770B

**Protanopia**  
736600

**Deuteranopia**  
80601C



**Tritanopia**  
326F78

# Trichromacy



**Original Color**  
00770B



**Protanomaly**  
496C04



**Deuteranomaly**  
516816

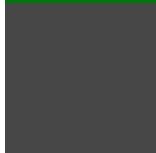


**Tritanomaly**  
207250

# Monochromacy



**Original Color**  
00770B



**Achromatopsia**  
474747



**Achromatomaly**  
2D5831

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00770B is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #00770B looks like.

```
.text, #text, p{  
    color:#00770B  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #00770B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00770B
}
```

## Border

The CSS property to change the border of an element to Hex 00770B is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#00770B }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#00770B }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel #00770B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00770B; -webkit-box-shadow:4px 4px  
4px 4px #00770B; box-shadow:4px 4px 4px  
4px #00770B }
```

# Background

The CSS property to change the background color of an element to Hex 00770B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00770B }
```

If only the background color should be changed can be used:

```
.background{ background-color:#00770B }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



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